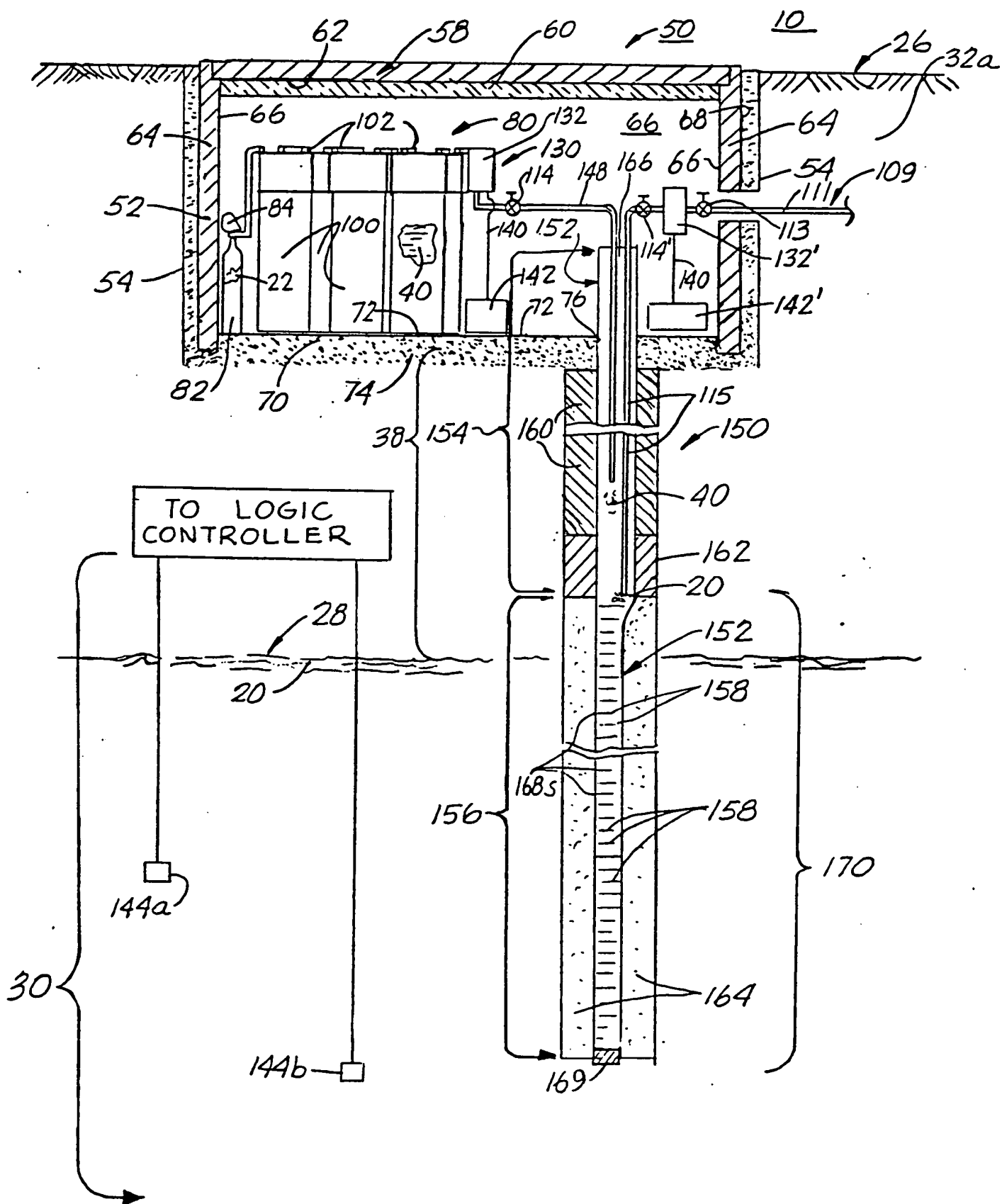


FIG. 1



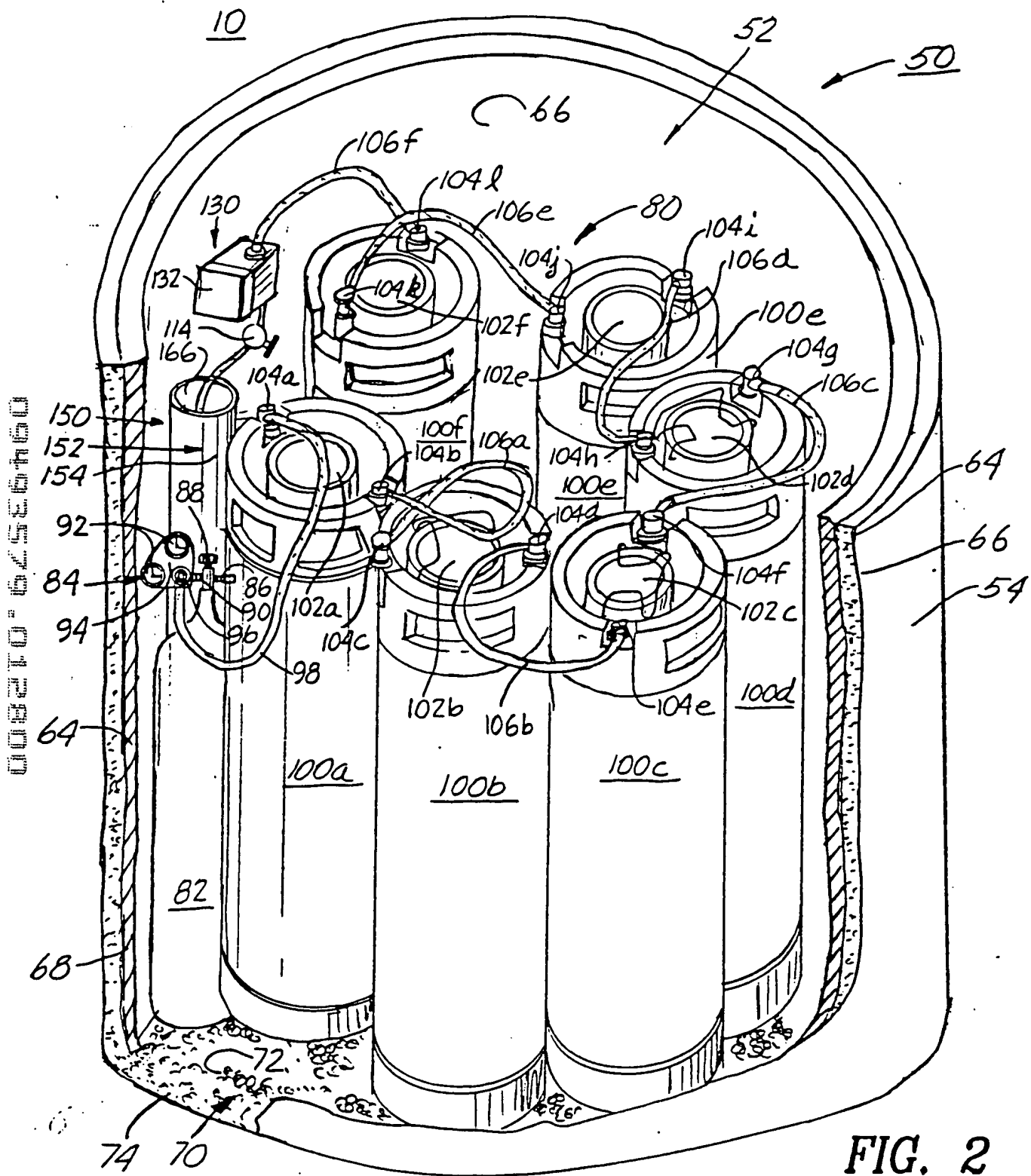


FIG. 2

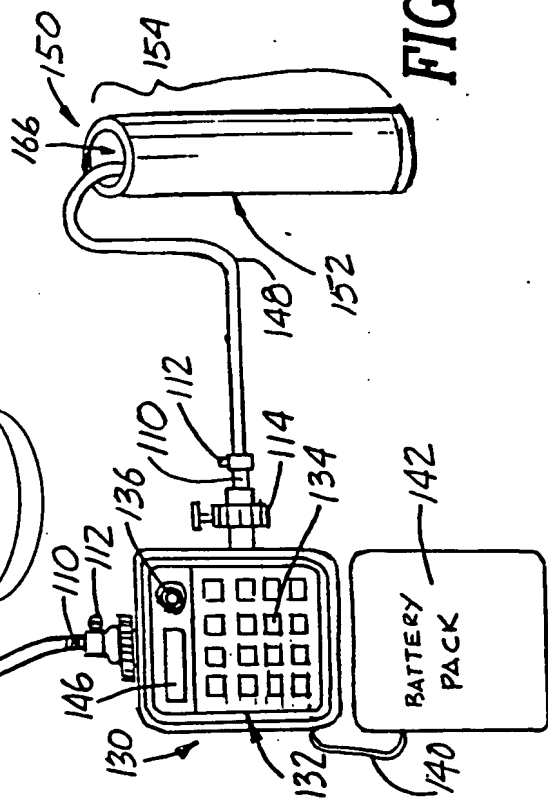
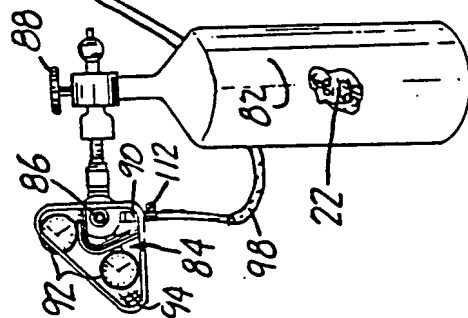
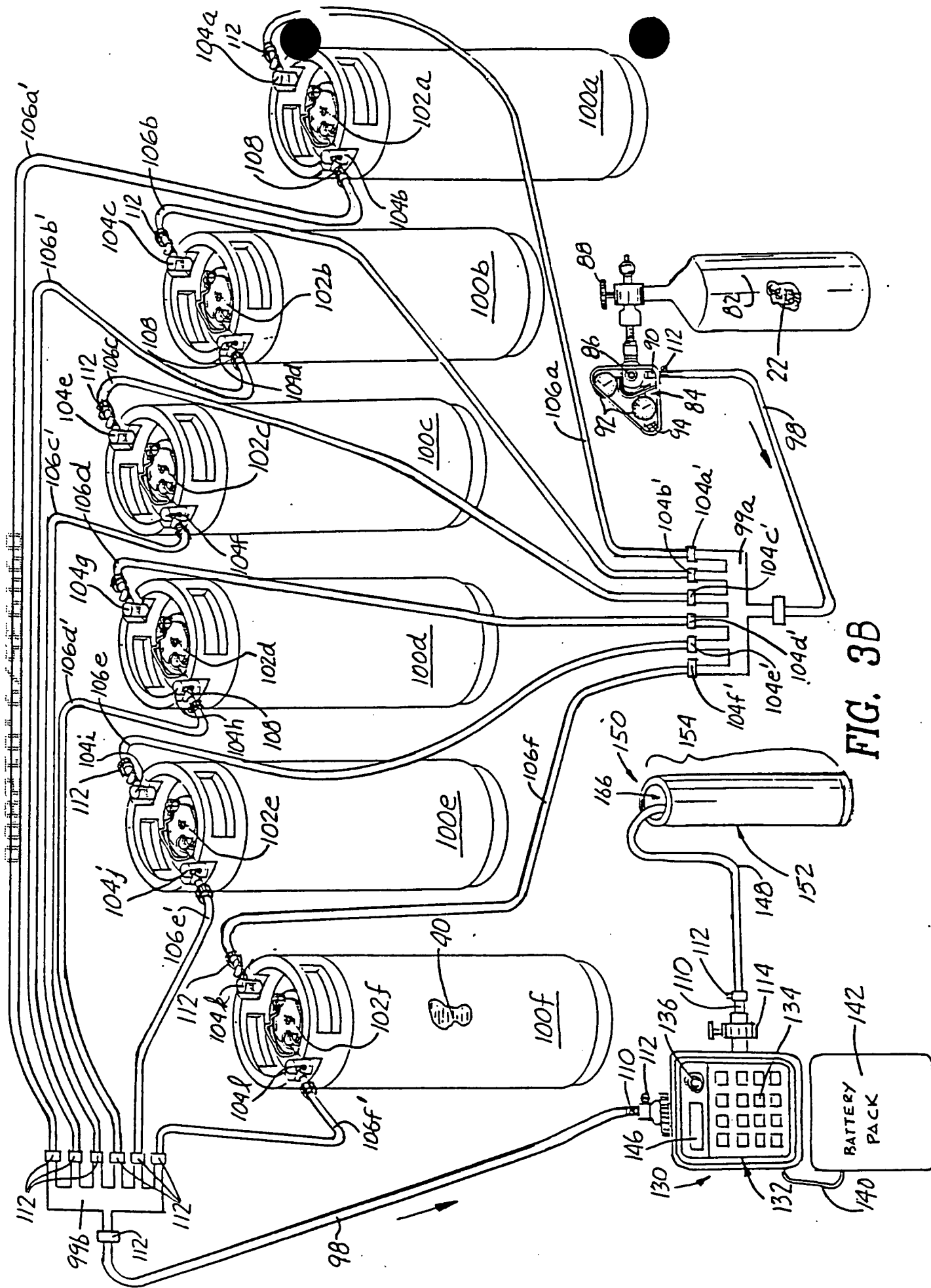


FIG. 3A



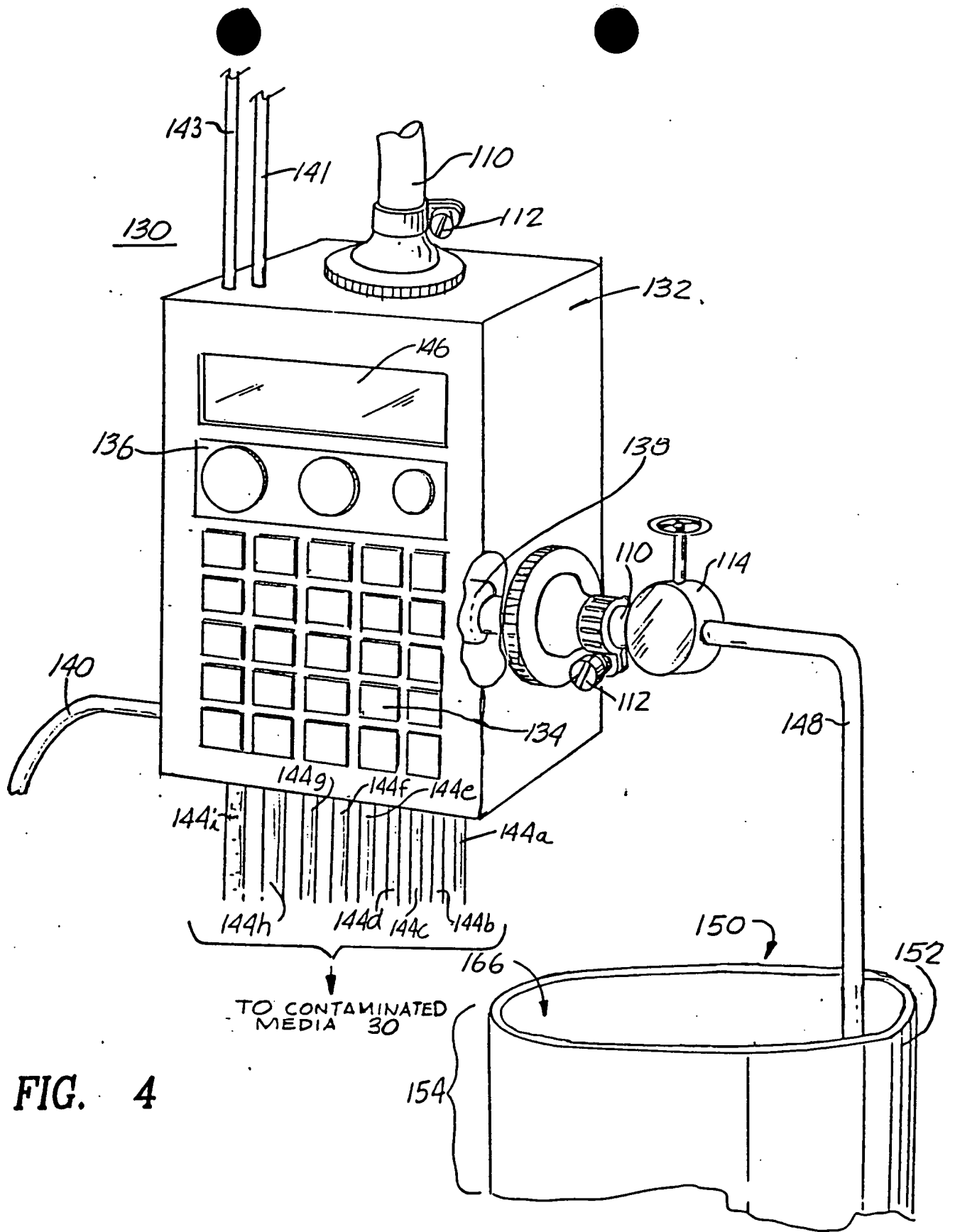


FIG. 4

COLEMAN, C. E. 1973

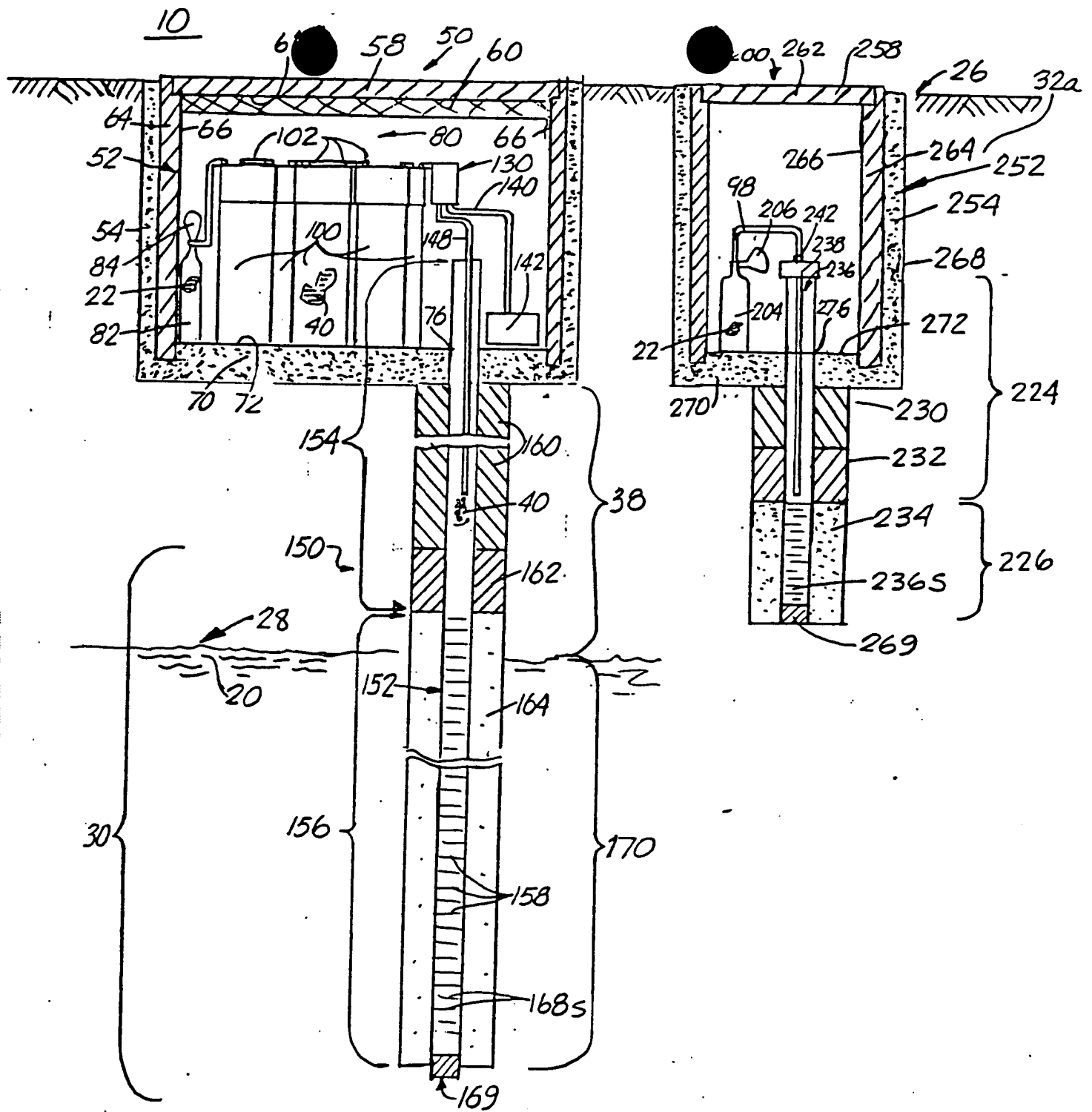


FIG. 5

FIG. 6

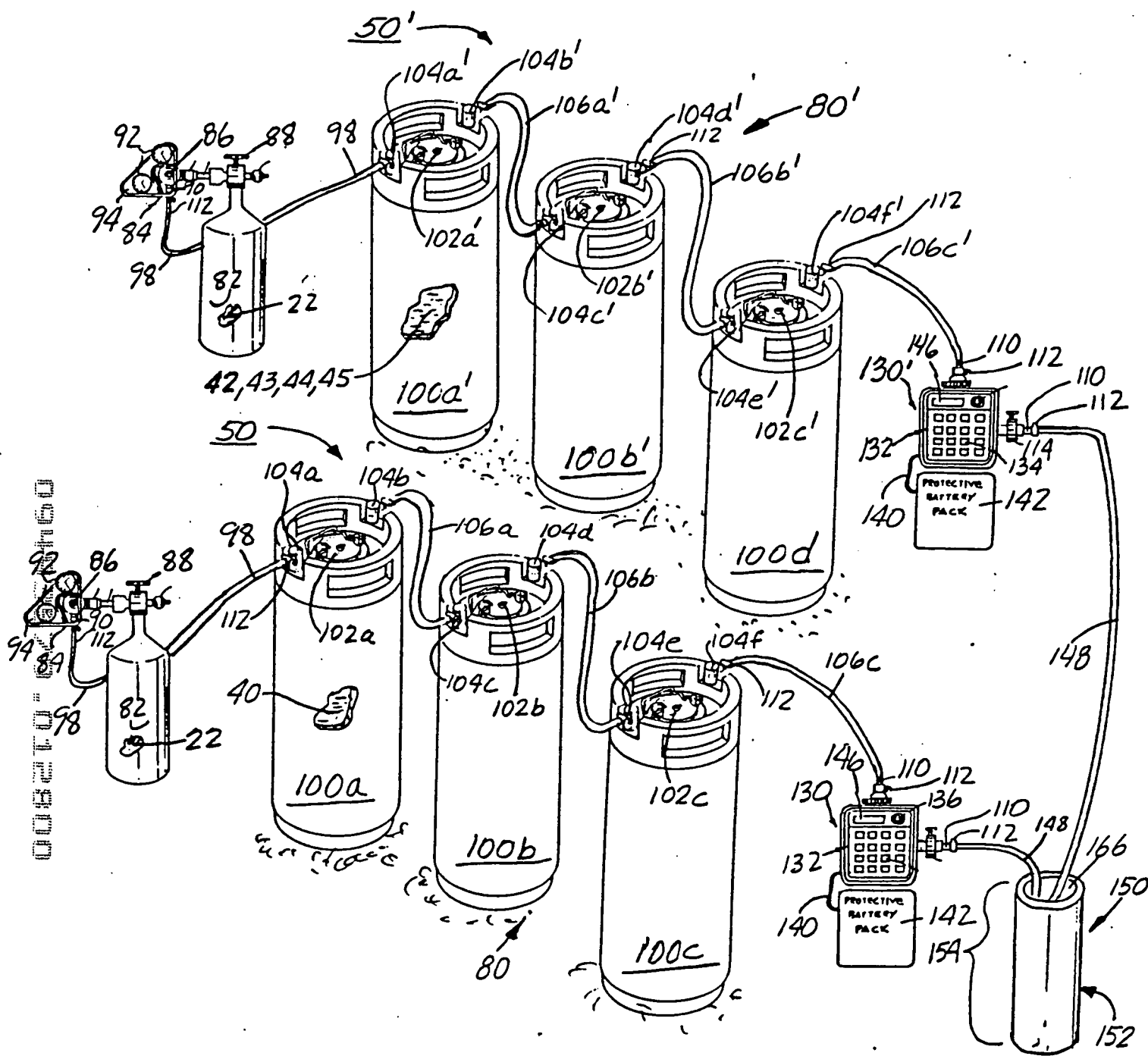


FIG. 7

FIG. 8

30

38

28

50

58

60

64

56

84

98

102

102

80

130

132

66

54

68

22

106

106

140

152

148

166

76

72

100

74

70

142

154

150

160

40

162

168s

164

170

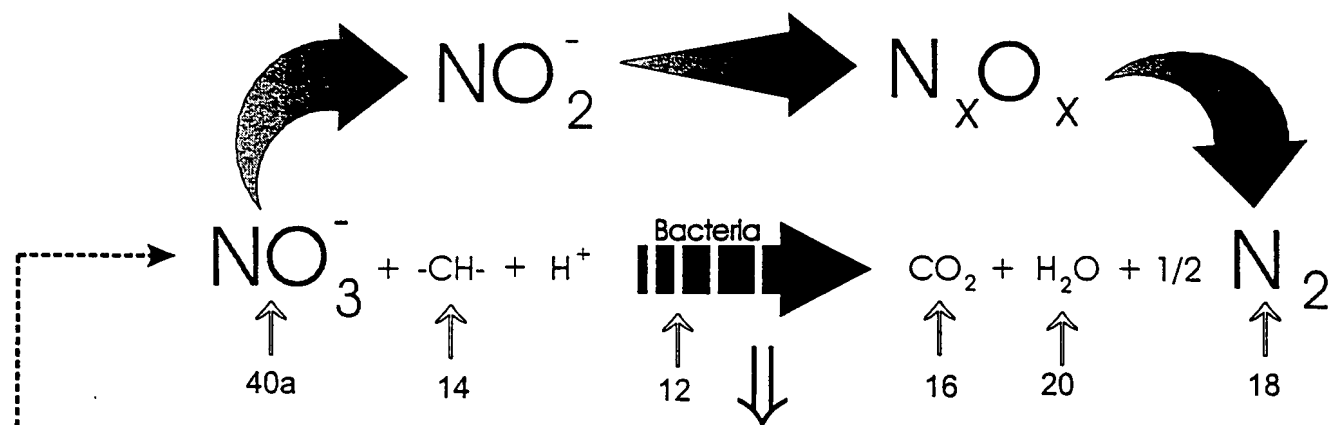
169

156

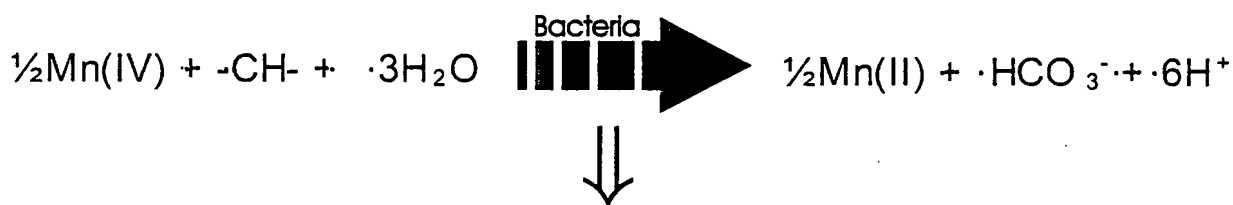
FIG. 9

10

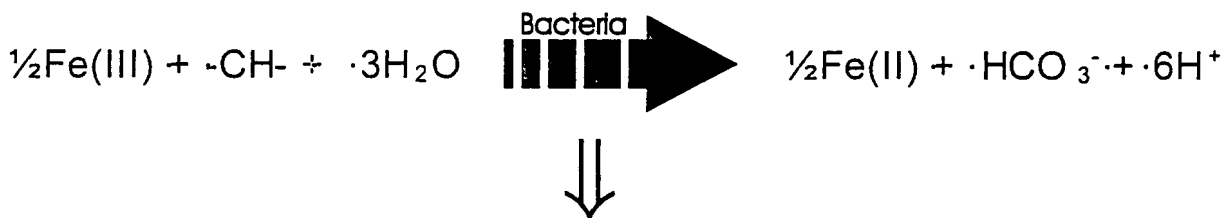
Denitrification



Manganese(IV) Reduction



Iron(III) Reduction



Sulfate Reduction

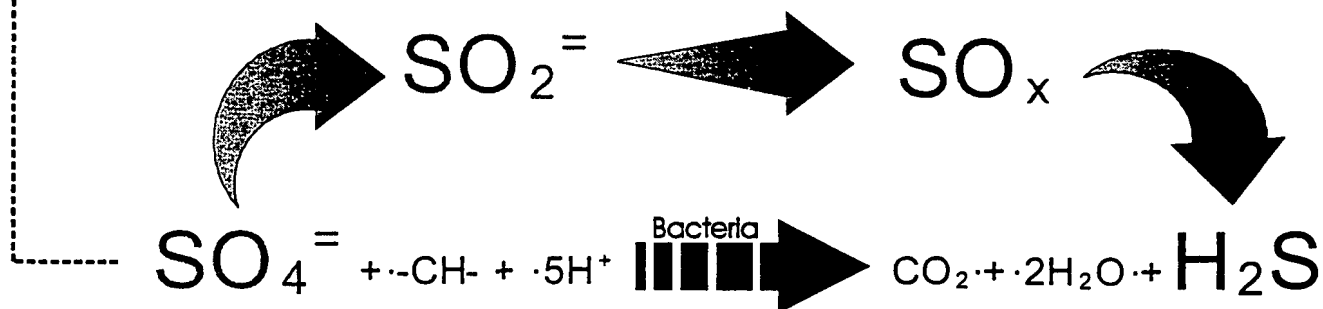


FIG. 10

Example of ABS Redox Cycling: Typical Daily Cycle

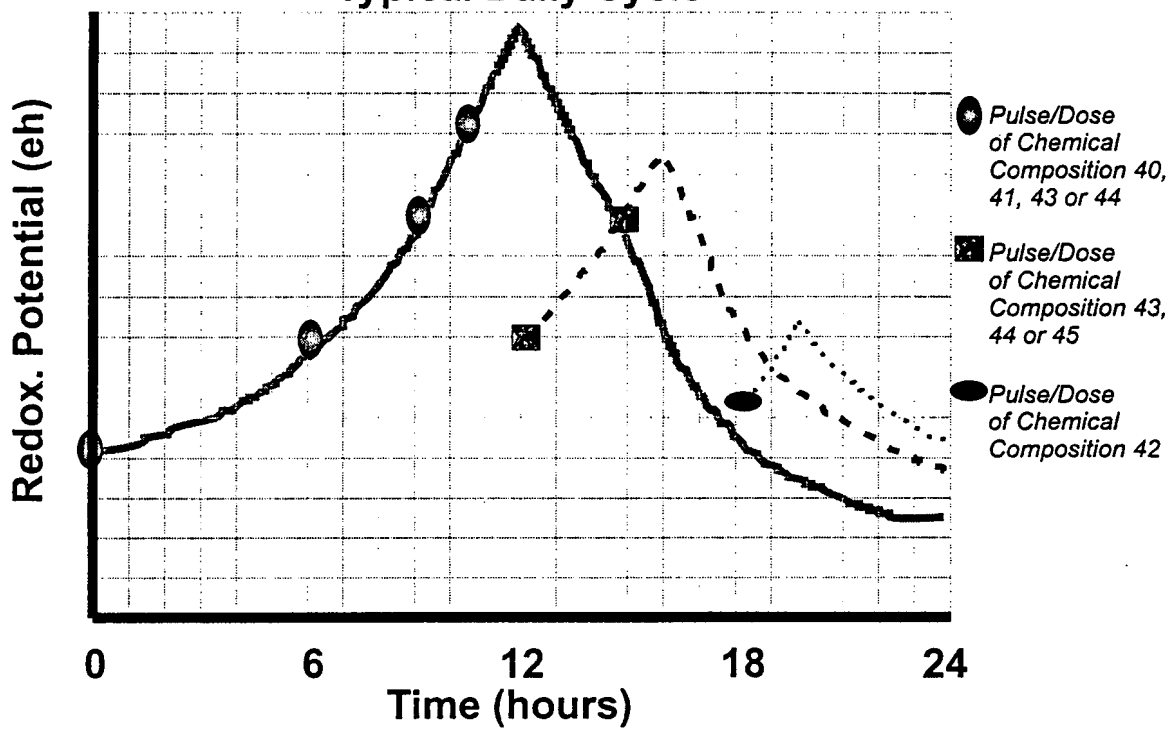


FIG. 11